

VSUN295-60P

VSUN295-60P VSUN285-60P VSUN275-60P

VSUN290-60P VSUN280-60P

18.17%

12 years

Material & Workmanship warranty

Module efficiency

295W

Highest power output

25 years

Linear power output warranty





PID-free



World class poly efficiency



Tighter product performance distribution and current sorting reduces the mismatch power loss in system operation



Positive tolerance offer



Good temperature coefficient enables higher output in high temperature regions



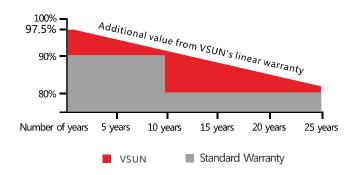
Excellent performance under low light conditions



Certified for salt/ammonia corrosion resistance



Load certificates: wind to 2400Pa and snow to 5400Pa





- 12-year product warranty
- 25-year linear power output warranty

Invested by Fuji Solar, VSUN is a Japanese solar module solutions provider located in Tokyo that offers Japanese quality solar technologies globally. The group's business started in Japan in 2006, later spreading to North America, Southeast Asia, and EMEA.

Innovative & Smart – VSUN has been committed to providing greener, cleaner, and more intelligent renewable energy solutions. It is focusing on the new energy market and the development of customized and high-efficiency products.

Note:

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Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN295-60P	VSUN290-60P	VSUN285-60P	VSUN280-60P	VSUN275-60P
Maximum Power - Pmax (W)	295	290	285	280	275
Open Circuit Voltage - Voc (V)	38.8	38.7	38.6	38.5	38.4
Short Circuit Current - Isc (A)	9.64	9.56	9.49	9.36	9.27
Maximum Power Voltage - Vmpp (V)	32.1	31.8	31.6	31.4	31.3
Maximum Power Current - Impp (A)	9.19	9.12	9.02	8.91	8.79
Module Efficiency	18.17%	17.86%	17.55%	17.25%	16.94%
Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1,5; module temperature 25°C. Tolerance of Pmpp: 0~+3%.					

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	VSUN295-60P	VSUN290-60P	VSUN285-60P	VSUN280-60P	VSUN275-60P
Maximum Power - Pmax (W)	216.9	213.5	210.1	206.2	202.7
Open Circuit Voltage - Voc (V)	35.8	35.7	35.6	35.5	35.6
Short Circuit Current - Isc (A)	7.78	7.72	7.66	7.56	7.48
Maximum Power Voltage - Vmpp (V)	29.6	29.4	29.2	29.1	28.9
Maximum Power Current - Impp (A)	7.33	7.26	7.2	7.09	7.01
Normal Operating Cell Temperature ((NOCT): irradiance 800W/m²; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C.					
Measuring uncertainty of power: ±3%.					

Temperature Characteristics

Maximum Ratings

NOCT	45°C (±2°C)	Maximum System Voltage [V]	1000
Voltage Temperature Coefficient	-0.292%/°C	Series Fuse Rating [A]	20
Current Temperature Coefficient	+0.045%/°C		
Power Temperature Coefficient	-0.408%/°C		

Material Characteristics

Measuring uncertainty of power. ±3%.

Dimensions	1640×990×35mm (L×W×H		
Weight	18 3ka		

Weigh

Frame Anodized aluminum profile

Front Glass White toughened safety glass, 3.2 mm EVA (Ethylene-Vinyl-Acetate) Cell Encapsulation

Back Glass Composite film

6×10 pieces polycrystalline solar cells series strings (156.75mm×156.75mm) Cells

Junction Box Rated current≥13A, IP≥67, TUV&UL

Cable&Connector Length 900 mm, 1×4 mm², compatible with MC4

Packaging System Design

Dimensions	$(L\times W\times H) 1680\times 1110\times 11$	120mm Temperature Range	-40 °C to + 85 °C
Container 2	D' 360	Withstanding Hail	Maximum diameter of 25 mm with impact
Container 4	0' 840		speed of 23 m/s
Container 4	D'HC 910	Maximum Surface Load	5,400 Pa
		Application class	class A

